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Ser N789H4/1U661XXX  
06 April 2001

From: Chief of Naval Operations (N789H)

Subj: DRAFT REPORT FOR THE CONSOLIDATED AUTOMATED SUPPORT SYSTEM  
(CASS) MAINTENANCE TRAINING REQUIREMENTS REVIEW (MTRR)

Ref: (a) CNO WASHINGTON DC 051604Z MAR 01

Encl: (1) MTRR Package

1. As directed by reference (a), subject MTRR was held 02 April through 06 April 2001 onboard NAS Oceana, VA, chaired by CNO representative MGYSgt K. Gravatt (N789H4). Participants and issues are listed in enclosure (1). OPNAV (Aviation) Training Management System (OATMS) database corrections were completed during this review.

2. The Chief of Naval Education and Training (CNET) has responsibility for action item tracking and resolution. Request commands assigned action items provide a Plan of Action and Milestones (POA&M) to CNET (ETE) within 30 days of receipt of this letter, with a copy to CNO (N789H4).

3. Request widest distribution to appropriate commands.

T. M. VANDENBERG  
CAPT, U.S. Navy  
Head, Aviation Technical Training Section

Distribution

SNDL

CMC (ASL-34A)

COMNAVIAIRSYSCOM (PMA205-3E, PMA260-D32, AIR 3.1.4G)

COMNAVIAIRLANT (N422F)

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Subj: DRAFT REPORT FOR THE CONSOLIDATED AUTOMATED SUPPORT SYSTEM

## (CASS) MAINTENANCE TRAINING REQUIREMENTS REVIEW (MTRR)

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MALS-13  
MALS-31  
MALS-41  
VMMT-204 FREST

**CASS**  
**MTRR ATTENDANCE LIST**  
**02 - 06 APRIL 2001, NAS OCEANA, VA**

**POLICY COMMITTEE**

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## CASS WORK CENTER ACTIONS

CIN	TITLE	RATE	NEC	MOS	ACTION ITEM	CMD	ISSUE	ACTION TASK
D-198-6101	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN	AT	6705	N/A	CASS.01MTRR.3043.01	CNET	PREMTRR: 1. CANTRAC shows incorrect system name and course title. 2. CANTRAC does not list all prerequisite courses.	(1) Ensure CANTRAC reflects correct course title and prerequisites. (2) Ensure NITRAS/CANTRAC reflect correct activity name (NAMTRAU OCEANA).
D-198-6101	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN	AT	6705	N/A	CASS.01MTRR.6101.01	CNET	PREMTRR: Service members reaching the fleet are still having trouble manipulating the ATLAS program with the various WRA/SRA assemblies which increases man- hours.	DISAPPROVED. Course of instruction is sufficient, close chit.
D-198-6101	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN	AT	6705	N/A	CASS.01MTRR.6101.02	CNET	PREMTRR: Too much practical application on Unit 1 PNEUMATIC FUNCTION GENERATOR OPERATION AND MAINTENANCE.	DISAPPROVED. Course of instruction is appropriate. Close chit.
D-198-6101	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN	AT	6705	N/A	CASS.01MTRR.6101.03	CNET	PREMTRR: PA void in all Unit 2 ATLAS Lesson Topics.	DISAPPROVED. Course of instruction is appropriate. Close chit.
D-198-6101	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN	AT	6705	N/A	CASS.01MTRR.6101.04	CNET	PREMTRR: Over emphasis on PA for Unit 4 CASS DICONs Lesson Topics 4.2, 4.4. These verifications require little supervision once initiated.	DISAPPROVED. Course of instruction is appropriate. Close Chit.
D-198-6101	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN	AT	6705	N/A	CASS.01MTRR.6101.05	CNET	PREMTRR: Need troubleshooting lab performance test.	DISAPPROVED. Course of instruction is sufficient and teaches needed skills to technicians. Close chit.
D-198-6101	CONSOLIDATED	AT	6705	N/A	CASS.01MTRR.6101.06	CNAL	PREMTRR:	1. Change AN/USM-636A(V) to read

	AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN						1. CANTRAC shows incorrect system name in 'scope' section. 2. CANTRAC does not show all required CINs in 'prerequisites' section.	AN/USM-636(V) where applicable. 2. Add umbrella CINs D-198-6104 CASS HPDTS/RADAR Config or D-198-6105 CASS EOSS+/FLIR Config in 'prerequisites' section.
D-198-6101	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN	AT	6705	N/A	CASS.01MTRR.6101.08	CNET	CASS Calibration School currently has a requirement of being an E5 to be accepted for training, however in practice, most commands use Airmen and 3rd Classes to perform calibrations and maintenance; an utilize their qualified personnel as inspectors. Why not provide the training to the personnel who will be doing the work?	DISAPPROVED. CASS training policy supports just in time, just enough CNO Policy and courses will remain the same.
D-198-6101	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN	AT	6705	N/A	CASS.01MTRR.6101.09	CNET	Fleet has need of increased numbers of calibration techs. Simple remove and replace maintenance actions can require two technicians, (6704 install, 6705 cal).	DISAPPROVED. CASS training policy supports just in time, just enough CNO Policy and courses will remain the same.
D-198-6101	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN	AT	6705	N/A	CASS.98MTRR.6101.01	NAVAIR	PMA-260 was to provide DICONs and DEBUG training to both NAMTRAGRUDETS. It has not happened.	1. (PMA-205) has Statement of Work (SOW) in progress to Lockheed Martin for DICONs training for 4 NAMTRAGRUDET instructors. 2. Update CNO (N789H4) of SOW status and report NLT 1 Sep 00.  01MTRR: NAVAIR (PMA205-3E) provide training plan status to OPNAV (N789H4) NLT 30 APR 01
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	650.00MTRR.3044.01	CNET	CASS specific tools and GPI pin repair/maintenance is not taught at the operator level. These are basic skills that are required on a daily basis.	Add information to Common CORE course and remove from Advanced course. (No change in course length authorized)  01MTRR: Close chit upon final course approval.
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT	AT	6704	N/A	650.00PMTRR.6102.04	CNET	Graduating students enter the fleet without the practical ability to repair or maintain the pins associated with the CASS GPI or the cables used in the Test Program Set (TPS).	Transfer information from C-198-3043 and incorporate into C-198-3044.  01MTRR: Close chit upon final course approval.

D-198-6102	AINER CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	650.97ILSMT.6102.018	NAVAIR	APG-73 Test Program Set (TPS) are currently held at NAMTRAGRU Dets Miramar and Oceana. Currently there is no plan to deliver any UUTs for this system to these sites.	<p>The CASS APML will forward to the F-18 APML for action.</p> <p>CNO (N889H2) concurs. Based on input from PMA-265 (MGYSGT Scott) WRAs will be delivered to NAMTG DET. Recommend disapproval of this action because of the intent for use of these TPSs.</p> <p>Per 08/00 MTRR: NAVAIR (PMA205) provide equipment acquisition status to CNO (N889H6).</p> <p>01MTRR: Chit to remain open. NAVAIR (PMA205-3E) provide OPNAV (N789H4) with current delivery status by 15 May 01.</p>
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.3044.03	CNET	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.3069.01	CNET	NITRAS/CANTRAC data does not reflect latest information.	NITRAS/CANTRAC data does not reflect latest information.
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.6102.01	CNET	PREMTRR: New members to the work center have a hard time following CASS Test Program Test Diagrams. Every TPS does the Test Diagrams differently.	DISAPPROVED. Current course of instruction is sufficient.
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.6102.02	CNET	PREMTRR: New members to the work center have a hard time reading the ATLAS code on all the various different CASS TPS's.	DISAPPROVED. Current course of instruction is sufficient.



D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.6102.03	CNET	PREMTRR: New members to the work center do not have a working knowledge of NAVAIR Technical Publications (MIMs).	DISAPPROVED. Students receive requisite training, additional training not required.
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.6102.04	CNET	PREMTRR: New members to the work center do not have a working knowledge of how to read/interpret UUT Maintenance/Schematics from the NAVAIR Technical Publications (MIMs).	DISAPPROVED. Current course of instruction is sufficient.
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.6102.05	CNET	PREMTRR: Need troubleshooting lab performance test.	DISAPPROVED. Material already taught and is sufficient.
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.6102.06	CNET	PREMTRR: There is no Off-Line Reader lesson topic.	DISAPPROVED. Course material is sufficient.
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.6102.07	CNAL	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.6102.10	CNET	NAVAIR platform offices are developing interactive CAI in support of Test Program Sets in an attempt to provide knowledge and skills unique to a WRA as tested on CASS. After reviewing the APS-137, CASS Block II difference training and preliminary CASS EOSS+ CAI, several shortfalls exist.  Example: Narrative does not match	NAMTRAGRU HQ: Identify and assign individual that will perform QA function and provide oversight to the process.

							visual presentation, i.e. the narrator is 2 - 3 steps ahead of the video, improper tools used and replication of technical publication data that is subject change and which renders the CAI inaccurate. These inconsistencies from one video to the next do not allow the NAMTRA's to include and use in various OTPS laboratory situations.	
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINTAINER	AT	6704	N/A	CASS.01MTRR.6102.11	NAVAIR	CASS Block III stations are projected to be delivered to the Fleet end of calendar year 2001. Currently there are no Block III stations at NAMTRAU Oceana or NAMTRAU North Island, Det Miramar to facilitate necessary training.	NAVAIR (PMA260): Upgrade NAMTRA assets in concert and at same percentage as fleet assets.
D-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINTAINER	AT	6704	N/A	CASS.98MTRR.6102.15	NAVAIR	Tech's receive limited troubleshooting training.	Acquire fault data for pre-engineered faults used at FAT, TECHEVAL and incorporate into lab job sheets.  01MTRR: Chit to remain open until tasker is completed.
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTAINER/TECHNICIAN	AT	N/A	6467	650.00MTRR.6103.001	CNO	Without additional training skills will be lost within the EW environment. Due to the unique nature of the EW environment, the high demand for EW support fleetwide and the complexity of the EW operating environment, a lack of EW training will have an adverse effect on mission capability.	Establish separate and unique CASS EW pipeline as determined during JTA.  01MTRR: Refer to Action Item CASS.98MTRR.6102.17.
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTAINER/TECHNICIAN	AT	N/A	6467	CASS.01MTRR.6103.01	CNET	PREMTRR: New TPSs come out and techs are expected to test and troubleshoot UUTs without any formal or informal training.	NAMTRA will continue to teach CASS discipline skills and not specific items to test. Fleet must solicit aid from local NATEC. Close chit.
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST	AT	N/A	6467	CASS.01MTRR.6103.02	MCCDC	PREMTRR: Are new MATMEPs going to be issued for CASS techs as a whole, for the type of bench they work on, or the gear they work on? When will these come out?	Refer to Action Item CASS.01MTRR.6105.01.

	STATION OPERATOR/MAINTAINER/TECHNICIAN							
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTAINER/TECHNICIAN	AT	N/A	6467	CASS.01MTRR.6103.03	CMC	Need to assign RT CASS its own MOS. This is a standalone course that should be MOS producing in order to identify and funnel personnel to the appropriate commands.	CMC (ASL-34) investigate the requirement to have MOS designator, upon development and approval of course.
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTAINER/TECHNICIAN	AT	N/A	6467	CASS.01MTRR.6103.04	CNET	Need to establish a dual-site for RT CASS at NAS Oceana. Due to multi-platform throughput, a single site will be insufficient. Also, provide additional manpower to keep from overburdening existing over-tasked, under-manned instructor allocations.	Refer to Action Item CASS.98MTRR.6103.01A.
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTAINER/TECHNICIAN	AT	N/A	6467	CASS.01MTRR.6103.05	NAVAIR	Need to acquire two benches per site in order to train RT CASS. The acquisition of only one bench for the schoolhouses will invariably lead to degraded training.	Refer to Action Item CASS.98MTRR.6103.01A.
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTAINER/TECHNICIAN	AT	N/A	6467	CASS.01MTRR.6103.06	NAVAIR	WRA's for RT CASS need to be identified. A representative sampling from the different platforms should be included in RT CASS training.	Refer to Action Item CASS.98MTRR.6103.01A.
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTAINER/TECHNICIAN	AT	N/A	6467	CASS.01MTRR.6103.07	CNAL	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
D-198-6103	USMC CONSOLIDATED	AT	N/A	6467	CASS.01MTRR.6103.10	CNET	RT CASS training has been addressed in previous action chits, but no	Upon establishment of RT-CASS training requirements, recommend NAMTRAGRU

	AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTA NER/TECHNICIAN						curriculum manager has been identified.	HQ assign NAMTRAU Oceana as CCMM for RT-CASS training course, if applicable.
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTA NER/TECHNICIAN	AT	N/A	6467	CASS.01MTRR.6103.11	CNET	Need to assign an RT-CASS SME (6469) prior to Cadre Training, (NLT Summer 01). SME needs to be involved with SOW, curriculum development, etc. Said SME will be required to stand-up the course.  Two additional SME's (6467) need to be identified to attend Cadre Training. This will allow the schoolhouse to have one class on deck at a time. When throughput requirements are identified, if additional classes are needed then instructor allocations will have to be increased as required.	NAMTRAGRU HQ: Submit instructor computation with TPP through chain of command.
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTA NER/TECHNICIAN	AT	N/A	6467	CASS.98MTRR.6103.001	CNET	There will soon be a requirement for R/T CASS training to support "I" Level training of the V-22 maintenance personnel. There is no such training track currently established.	Develop an R/T CASS Op/Maint course (i.e. CIN and CDP) at VMMT-204 FREST MCAS New River.  01MTRR: Refer to chit CASS.98MTRR.6103.01A.
D-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINTA NER/TECHNICIAN	AT	N/A	6467	CASS.98MTRR.6103.01A	NAVAIR	There will soon be a requirement for R/T CASS training to support "I" Level training of the V-22 maintenance personnel. There is no such training track currently established.	When notified by CNET; determine and establish appropriate pipeline. Content of pipeline and prerequisite will be determined at a later date.  01MTRR: NAVAIR (PMA260) provide OPNAV (N789H4) with CASS R/T Off-load Plan NLT 1 Jun 01. Defer proposed decision until later date, when information is obtained.
D-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINTA NER	AT	6723	6473	650.00PMTRR.6102.02	NAVAIR	NAMTRA doesn't have adequate supply of aircraft equipment (WRA'S/SRA'S) on hand to have a representative sample for each major type of equipment. ( i.e., APG-73 radar for RF/High Power training.)	Investigate and provide component acquisition status to CNO (N789H4) NLT 1 Jun 01.  01MTRR: (1) COMMON: Requirement still valid. Chit transferred to CASS HPDTS course requirements.

								(2) HPDTS: NAVAIR (PMA205-3E) investigate acquisition of required components identified in current ERL/ESL.
D-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINTAINER	AT	6723	6473	650.00PMTRR.6104.02	CNET	The lack of identified WRA and WRA OTPSs to be provided to support the HPDT and EO course development impacts the availability of the training to the fleet.	NAMTRAU submit revised ERL through chain of command for approval.  01MTRR: (1) HPDTS: NAVAIR (PMA205-3E) investigate acquisition of components for schoolhouses that are identified in ERL/ESL. Chit to remain open. (2) EO+: NAVAIR (PMA260) provide requisite assets to teach course of instruction.
D-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINTAINER	AT	6723	6473	CASS.01MTRR.3071.01	CNET	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
D-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINTAINER	AT	6723	6473	CASS.01MTRR.6104.01	CNET	Using CNET Instruction 5311.1C, the Instructor Computation calculating billets required for new CINs equates to 3 billets for the CASS HPDTS course. This is an increase of one billet from the preliminary phase of the course attributable to increased throughput requirements from AIRLANT/AIRPAC.	Re-evaluate Instructor Computation. If warranted, resubmit TPP reflecting updated instructor requirements.
D-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINTAINER	AT	6723	6473	CASS.01MTRR.6104.02	CNET	NAMTRAU Oceana requires one additional HPDTS station with OTPSs and WRAs. FY02 class schedule had to constrain Common Core and Operator Maintainer classes to accommodate HPDTS throughput requirements. FY03 - FY08 throughput projections increase 20% for HPDTS course.	NAMTRAGRU HQ submit justification to increase number of HPDTS benches for both sites, Oceana and Miramar, to OPNAV (N789H4) via CNET (ETE3221) NLT 1 JUN 01.
D-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINTAINER	AT	6723	6473	CASS.01MTRR.6104.03	CNAL	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
D-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINTAINER	AT	6723	6473	CASS.98MTRR.6102.20A	CNET	Without additional NEC's/MOS's critical skills will be lost, which will seriously degrade overall mission readiness.  Areas of concern:	Develop CASS courses for Common Core, Cass Basic (NEC 6704), Electro Optics (NEC 67XX) and High Power (NEC 67YY) as discussed at the CASS MTRR and concurred with in NAVAIR (PMA-260) message R 172112Z DEC 98 Paragraph 2.

						<p>ELECTRO OPTICAL</p> <p>A. SAFETY</p> <ol style="list-style-type: none"> <li>1. LASER SAFETY</li> <li>2. COMPRESSED GASSES</li> <li>3. HAZMAT</li> <li>4. CONTAMINATION</li> <li>5. EMERGENCY</li> </ol> <p>RECLAMATION</p> <p>B. ELECTRO OPTICAL SPECIFIC</p> <ol style="list-style-type: none"> <li>1. INFRARED THEORY</li> <li>2. CRYOGENICS</li> <li>3. THERMODYNAMICS</li> <li>4. LASER THEORY</li> <li>5. SECURITY CLEARANCE</li> <li>6. MAXIMUM TRANSMISSIVITY FUNCTION</li> <li>7. PULSE REPETITION FREQUENCY</li> <li>8. FLIR TO LASER BORESIGHT</li> <li>9. ALIGN LASER RELAY</li> <li>10. AUTOCOLIMATE IRR</li> <li>11. TPS SET-UP OS/IRR/LDT</li> <li>12. UUT PURGE AND FILL</li> <li>13. DEROTATION</li> </ol> <p>ALIGNMENT</p> <ol style="list-style-type: none"> <li>14. OFF-LOAD AND VERIFY</li> <li>15. OP EVAL TPS MOVING FROM "D" TO "I" LEVEL</li> </ol> <p>MAINTENANCE</p> <ol style="list-style-type: none"> <li>16. CLASSIFIED MATERIAL HANDLING</li> </ol> <p>C. SYSTEMS</p> <ol style="list-style-type: none"> <li>1. AAS-38</li> <li>2. AAR-50</li> <li>3. ASQ-173</li> <li>4. ATFLIR</li> <li>5. OR-263</li> <li>6. ATARS</li> <li>7. AAS-42</li> <li>8. TAC RECCE</li> </ol> <p>D. NECs/MOSs</p> <ol style="list-style-type: none"> <li>1. 6466 MOS</li> <li>2. 6631</li> </ol>	<p>01MTRR:</p> <p>(1) COMMON: Concur with Advisory Committee. Close chit after course receives final approval and course trials are completed.</p> <p>(2) HPDTS: Leave chit open until final approval of course and new MOS's are incorporated in MOS Manual.</p>
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						3. 6684 4. 6715  RADAR/HIGH POWER  A. SAFETY 1. COMPRESSED GASSES 2. HAZMAT CONTAMINATION 3. COOLANOL 4. EMERGENCY RECLAMATION OF RADIO ACTIVE MATERIALS 5. CLASSIFIED MATERIALS HANDLING  B. RADAR/HIGH POWER SPECIFIC 1. THEORY (MICROWAVE, HYDRAULICS, DOPPLER, WAVEGUIDES, ANTENNA PROPAGATION, RF MODES, LIMITER OPERATION, GRIDDED TRAVELING WAVE TUBE) 2. RADIATION HAZARDS 3. COOLANOL 4. PAO 5. SYNCHRONIZERS 6. ARC DETECTORS 7. COMPRESSED GASSES 8. UUT PURGE/FILL 9. ANTENNA BORESIGHT ALIGNMENT 10. ANTENNA BASE BORESIGHT ALIGNMENT 11. REMOVE AND REPLACE: WAVEGUIDES, LIMITERS, EMI FILTERS, AND HARDLINES 12. SIGNAL WAVEFORM ANALYSIS 13. USING EXTERNAL TEST EQUIPMENT 14. MODULATORS 15. PULSE COMPRESSOR ALIGNMENT 16.	
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							ALIGNMENT/ADJUSTMENT OF RF/IF SRA 17. OFFLOAD AND VERIFY PROCEDURES 18. OP EVAL TPS MOVING TASKS FROM "D" TO "I" LEVEL 19. MAINTENANCE HANDLING EQUIPMENT (HOISTS) 20. CLASSIFIED MATERIAL HANDLING C. SYSTEMS 1. AWG-9 2. ALQ-99 3. APS-137 4. APG-65/73 5. APG-65 D. NECs/MOSs 1. 7984 2. 7978 3. 6463 MOS 4. 6614 5. 6647 6. 6641 7. 6648 8. 6633 9. 6622 10. 6484 MOS	
D-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINTAINER	AT	6723	6473	CASS.98MTRR.6102.25	NAVAIR	The fleet feels that the expertise required in radar transmitter area requires specialization and a NEC and separate training track required.	Continue HIGH POWER course development.  01MTRR: (1) NAVAIR (PMA205-3E) investigate obtaining assets to utilize in course. Provide disposition to OPNAV (N789H4) NLT 1 May 01. (2) NAVAIR (PMA205-3E) continue Job Task Analysis (JTA) to include APG-73, AWG-9, APG-65, AAS-38, DECM, and EETS.
D-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINTAINER	AT	6723	6473	CASS.98MTRR.6102.26	CMC	There needs to be a separate MOS/NEC for the High Power/RF course.	Refer to Action Chit CASS.98MTRR.6102.20 for actions assigned.  CMC (ASL-34): Still investigating possible assignment of skill designator MOS to training track or possibility of drawing from



								PMOS 6466 to feed this track. Ongoing meetings w/M&RA and MCCDC.  01MTRR: NEC and MOS identified. Chit to remain open until final course approval and new MOS Manual is published.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	650.00MTRR.6105.001	CNET	HAZMAT and contamination education is currently not included in CASS EO+ course.	Incorporate HAZMAT and contamination training material into EO+ Operator/Maintainer course, upon development.  01MTRR: Concur with Advisory Committee. Incorporate information into course. No additional time to course length authorized.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	650.00PMTRR.6104.02	CNET	The lack of identified WRA and WRA OTPSs to be provided to support the HPDT and EO course development impacts the availability of the training to the fleet.	NAMTRAU submit revised ERL through chain of command for approval.  01MTRR: (1) HPDTS: NAVAIR (PMA205-3E) investigate acquisition of components for schoolhouses that are identified in ERL/ESL. Chit to remain open. (2) EO+: NAVAIR (PMA260) provide requisite assets to teach course of instruction.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	CASS.01MTRR.3070.01	CNET	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	CASS.01MTRR.6105.01	CMC	PREMTRR: 1. What is the MOS going to be for an EO CASS Marine? 2. Can we send 6466's (EOTS Techs) to just the EO portion of CASS School? And would their MOS change? 3. Are the other systems going to have unique MOS's also? I.E. - RF (RADAR), High Power, CNI (ComNav), HYBRID. And if so, what is going to happen to the 6467's? 4. If EO CASS Marines are going to have a different MOS, then what is going to happen with the 6466's, and when is the last class for EOTS? 5. If MOS is going to change, when are new MATMEP packages coming	01MTRR: (1) NO ACTION REQUIRED. ASL-34A - EO/FLIR CASS MOS 6472 - Skill Designator MOS in new MOS Manual dtd APR 2001. (2) NO ACTION REQUIRED. No "non-CASS" personnel must attend CASS Common Core (6 wks) prior to CASS EOSS+/FLIR (6 wks). Upon completion of track, student assigned skill designator MOS of 6472. (3) NO ACTION REQUIRED. Currently, only 3 MOS's for CASS: 6467 - CASS Operator/Maintainer, 6472 - EOSS+/FLIR, and 6473 - CASS HPDTS/RADAR. (4) NO ACTION REQUIRED. 6466's will transition to 6472 in the future. No transition plan in place until training course is approved. (5) INWORK - action pending, estimated

							out? 6. How is manpower going to decide on T/O's for a workcenter with three different MOS's? - 6466, 6467, 64XX (EO CASS) and what is this going to do for their promotions?	completion date NOV 2001. MATMEP under development (CG TRNGCOM, C473) (6) NO ACTION REQUIRED. No T/O changes in work.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	CASS.01MTRR.6105.02	CNET	PREMTRR: Incorrect order of "Pipeline Segment Course".	NO ACTION REQUIRED. OATMS reflects priorities within each phase of the Training Continuum.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	CASS.01MTRR.6105.03	CNET	PREMTRR: Incorrect CDP and Long Title for CASS EOSS+ course.	Ensure NITRAS/CANTRAC reflects correct information.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	CASS.01MTRR.6105.04	CNET	PREMTRR: Long Title block of the Pipeline Segment Courses lists "AN/USM-636A(V) " as part of the title to course C-198-3070.	Ensure correct information is reflected in NITRAS/CANTRAC.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	CASS.01MTRR.6105.05	CNET	PREMTRR: Incorrect Activity Name for all CASS pipelines and segment courses.	Ensure correct information is reflected in NITRAS/CANTRAC.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	CASS.01MTRR.6105.06	CNAL	PREMTRR: 1. CANTRAC Scope has incorrect CIN for Laser Safety Fundamentals. 2. CANTRAC Course Information for Security Clearance is incorrect. 3. CANTRAC does not list prerequisites for training.	Ensure correct information is reflected in NITRAS/CANTRAC.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	CASS.01MTRR.6105.07	CNET	Using CNET Instruction 5311.1C, the Instructor Computation calculating billets required for new CINs equates to 2 billets for the CASS EOSS+ course.	Re-evaluate Instructor Computation. If warranted, resubmit TPP reflecting updated instructor requirements.
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	CASS.01MTRR.6105.08	CNET	NAMTRAU Oceana requires one additional EO+ station with OTPSs and WRAs. FY02 class schedule had to constrain Common Core and Operator Maintainer classes to accommodate EO+ throughput requirements. FY03 - FY08 throughput projections increase 20% for EO+ course.	NAMTRAGRU HQ submit justification to increase number of EO+ benches for both sites, Oceana and Miramar, to OPNAV (N789H4) via CNET (ETE3221) NLT 1 JUN 01.
D-198-6105	CASS EO+ CONFIGURATION	AT	6724	6472	CASS.98MTRR.6102.20A	CNET	Without additional NEC's/MOS's critical skills will be lost, which will	Develop CASS courses for Common Core, CASS Basic (NEC 6704), Electro Optics

	OPERATION/MAINTAINER					<p>seriously degrade overall mission readiness.</p> <p>Areas of concern:</p> <p>ELECTRO OPTICAL</p> <p>A. SAFETY</p> <ol style="list-style-type: none"> <li>1. LASER SAFETY</li> <li>2. COMPRESSED GASSES</li> <li>3. HAZMAT</li> <li>4. CONTAMINATION</li> <li>5. EMERGENCY</li> </ol> <p>RECLAMATION</p> <p>B. ELECTRO OPTICAL SPECIFIC</p> <ol style="list-style-type: none"> <li>1. INFRARED THEORY</li> <li>2. CRYOGENICS</li> <li>3. THERMODYNAMICS</li> <li>4. LASER THEORY</li> <li>5. SECURITY CLEARANCE</li> <li>6. MAXIMUM TRANSMISSIVITY FUNCTION</li> <li>7. PULSE REPETITION FREQUENCY</li> <li>8. FLIR TO LASER BORESIGHT</li> <li>9. ALIGN LASER RELAY</li> <li>10. AUTOCOLIMATE IRR</li> <li>11. TPS SET-UP OS/IRR/LDT</li> <li>12. UUT PURGE AND FILL</li> <li>13. DEROTATION</li> </ol> <p>ALIGNMENT</p> <ol style="list-style-type: none"> <li>14. OFF-LOAD AND VERIFY</li> <li>15. OP EVAL TPS MOVING FROM "D" TO "I" LEVEL</li> </ol> <p>MAINTENANCE</p> <ol style="list-style-type: none"> <li>16. CLASSIFIED MATERIAL HANDLING</li> </ol> <p>C. SYSTEMS</p> <ol style="list-style-type: none"> <li>1. AAS-38</li> <li>2. AAR-50</li> <li>3. ASQ-173</li> <li>4. ATFLIR</li> <li>5. OR-263</li> <li>6. ATARS</li> <li>7. AAS-42</li> </ol>	<p>(NEC 67XX) and High Power (NEC 67YY) as discussed at the CASS MTRR and concurred with in NAVAIR (PMA-260) message R 172112Z DEC 98 Paragraph 2.</p> <p>01MTRR:</p> <p>(1) COMMON: Concur with Advisory Committee. Close chit after course receives final approval and course trials are completed.</p> <p>(2) HPDTS: Leave chit open until final approval of course and new MOS's are incorporated in MOS Manual.</p>
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						<p>8. TAC RECCE</p> <p>D. NECs/MOSs</p> <ol style="list-style-type: none"> <li>1. 6466 MOS</li> <li>2. 6631</li> <li>3. 6684</li> <li>4. 6715</li> </ol> <p>RADAR/HIGH POWER</p> <p>A. SAFETY</p> <ol style="list-style-type: none"> <li>1. COMPRESSED GASSES</li> <li>2. HAZMAT</li> </ol> <p>CONTAMINATION</p> <ol style="list-style-type: none"> <li>3. COOLANOL</li> <li>4. EMERGENCY</li> </ol> <p>RECLAMATION OF RADIO ACTIVE MATERIALS</p> <ol style="list-style-type: none"> <li>5. CLASSIFIED MATERIALS HANDLING</li> </ol> <p>B. RADAR/HIGH POWER SPECIFIC</p> <ol style="list-style-type: none"> <li>1. THEORY (MICROWAVE, HYDRAULICS, DOPPLER, WAVEGUIDES, ANTENNA PROPAGATION, RF MODES, LIMITER OPERATION, GRIDDED TRAVELING WAVE TUBE)</li> <li>2. RADIATION HAZARDS</li> <li>3. COOLANOL</li> <li>4. PAO</li> <li>5. SYNCHRONIZERS</li> <li>6. ARC DETECTORS</li> <li>7. COMPRESSED GASSES</li> <li>8. UUT PURGE/FILL</li> <li>9. ANTENNA BORESIGHT ALIGNMENT</li> <li>10. ANTENNA BASE BORESIGHT ALIGNMENT</li> <li>11. REMOVE AND REPLACE: WAVEGUIDES, LIMITERS, EMI FILTERS, AND HARDLINES</li> <li>12. SIGNAL WAVEFORM ANALYSIS</li> <li>13. USING EXTERNAL TEST EQUIPMENT</li> </ol>	
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							14. MODULATORS 15. PULSE COMPRESSOR ALIGNMENT 16. ALIGNMENT/ADJUSTMENT OF RF/IF SRA 17. OFFLOAD AND VERIFY PROCEDURES 18. OP EVAL TPS MOVING TASKS FROM "D" TO "I" LEVEL 19. MAINTENANCE HANDLING EQUIPMENT (HOISTS) 20. CLASSIFIED MATERIAL HANDLING C. SYSTEMS 1. AWG-9 2. ALQ-99 3. APS-137 4. APG-65/73 5. APG-65 D. NECs/MOSs 1. 7984 2. 7978 3. 6463 MOS 4. 6614 5. 6647 6. 6641 7. 6648 8. 6633 9. 6622 10. 6484 MOS	
D-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT AINER	AT	6724	6472	CASS.98MTRR.6102.22	CNET	The fleet feels that the electro-optic CASS requires specialization that requires a separate training track and NEC.	Continue EO+ course development.  01MTRR: Concur with Advisory Committee. Close chit once course fully approved and course trials completed.
E-198-6101	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI BRATION TECHNICIAN	AT	6705	N/A	CASS.01MTRR.3043.02	CNET	PREMTRR: 1. CANTRAC shows incorrect system name and course title. 2. CANTRAC does not list all prerequisite courses.	(1) Ensure CANTRAC reflects correct course title and prerequisites. (2) Ensure NITRAS/CANTRAC reflect correct activity name (NAMTRAU DET MIRAMAR).
E-198-6101	CONSOLIDATED AUTOMATED	AT	6705	N/A	CASS.01MTRR.6101.001	CNAP	PREMTRR: CANTRAC shows incorrect system name in 'scope'	1. Change AN/USM-636A(V) to read AN/USM-636(V) where applicable.

	SUPPORT SYSTEM (CASS) ADVANCED MAINTENANCE/CAI IBRATION TECHNICIAN						section.	2. Add umbrella CINs E-198-6104 CASS HPDTS/RADAR Config or E-198-6105 CASS EOSS+/FLIR Config in 'prerequisites' section.
E-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.3044.04	CNET	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
E-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.3069.02	CNET	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
E-198-6102	CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) COMMON CONFIGURATIONS OPERATION/MAINT AINER	AT	6704	N/A	CASS.01MTRR.6102.08	CNAP	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
E-198-6103	USMC CONSOLIDATED AUTOMATED SUPPORT SYSTEM (CASS) TEST STATION OPERATOR/MAINT AINER/TECHNICIAN	AT	N/A	6467	CASS.01MTRR.6103.08	CNAP	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
E-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINT AINER	AT	6723	0000	CASS.01MTRR.3071.02	CNET	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
E-198-6104	CASS HIGH POWER CONFIGURATION OPERATOR/MAINT AINER	AT	6723	0000	CASS.01MTRR.6104.04	CNAP	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
E-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT	AT	6724	0000	CASS.01MTRR.3070.02	CNET	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity

	AINER							name.
E-198-6105	CASS EO+ CONFIGURATION OPERATION/MAINT/ AINER	AT	6724	0000	CASS.01MTRR.6105.09	CNAP	NITRAS/CANTRAC data does not reflect latest information.	Update NITRAS/CANTRAC data to reflect latest information, for example; title, prerequisites, security clearance, and activity name.
E-198-6106	CASS ELECTRONIC WARFARE (EW) OPERATOR/MAINT/ NER	AT	0000	N/A	CASS.01MTRR.6106.01	CNAP	Need to establish Electronic Warfare (EW) CASS training pipeline at NAMTRAU Whidbey to support USN/USMC requirements.	CNAP (N422F): Establish a Navy EW training pipeline to include the following courses: (1) C-600-3601 INDOCTRINATION (2) C-198-3044 CASS COMMON CORE (3) C-198-307X CASS EW  CNAP (N422F): Initiate paperwork to generate new NEC for EW pipeline. Marine Corps personnel will not have additional MOS requirement. MOS 6484 will be awarded upon completion of EW pipeline.
E-198-6106	CASS ELECTRONIC WARFARE (EW) OPERATOR/MAINT/ NER	AT	0000	N/A	CASS.01MTRR.6106.02	CNET	Need to establish Electronic Warfare (EW) CASS training pipeline at NAMTRAU Whidbey to support USN/USMC requirements.	01MTRR: Concur. (1) NAMTRAGRU HQ: Create/develop new EW training course utilizing Training Situation Analysis (TSA) for establishing the requirements. (2) CNET (ETE3221): Study/perform analysis of determining if all facets of additional CASS training at NAMTRA Whidbey is justified. Provide results to OPNAV (N789H4) NLT 1 OCT 01. (3) CNET (ETE3221): Upon development, assign CDP/CIN to new EW course.
E-198-6106	CASS ELECTRONIC WARFARE (EW) OPERATOR/MAINT/ NER	AT	0000	N/A	CASS.01MTRR.6106.03	NAVAIR	Need to establish Electronic Warfare (EW) CASS training pipeline at NAMTRAU Whidbey to support USN/USMC requirements.	01MTRR: Concur. NAVAIR (PMA205/PMA260): Investigate procurement of requisite test equipment and WRA assets to standup EW course at Whidbey. Also investigate procurement of additional equipment that would be required to support additional instruction, should CNET analysis support training.
E-198-6107	USMC CASS ELECTRONIC WARFARE (EW) OPERATOR/MAINT/ NER	AT	N/A	6484	CASS.01MTRR.6107.01	CNAP	Need to establish Electronic Warfare (EW) CASS training pipeline at NAMTRAU Whidbey to support USN/USMC requirements.	CNAP (N422F): Establish a Navy EW training pipeline to include the following courses: (1) C-600-3601 INDOCTRINATION (2) C-198-3044 CASS COMMON CORE (3) C-198-307X CASS EW (4) C-198-3043 CASS ADVANCED  CNAP (N422F): Initiate paperwork to

								generate new NEC for EW pipeline. Marine Corps personnel will not have additional MOS requirement. MOS 6484 will be awarded upon completion of EW pipeline.
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